

4. The touch panel according to claim 3, wherein the line width is greater than or equal to 2.5 mm, and less than or equal to 4.5 mm.

5. The touch panel according to claim 1, wherein the signal transmission lines are made of a metal material or a transparent conducting material.

6. The touch panel according to claim 5, wherein the transparent conducting material comprises indium tin oxide or aluminum-doped zinc oxide, and the metal material comprises molybdenum, aluminum or copper.

7. The touch panel according to claim 1, wherein the touch electrodes are made of indium tin oxide or aluminum-doped zinc oxide or graphene.

8. The touch panel according to claim 2, wherein the insulation medium layer is a polypropylene film or a polyethylene film or air.

9. A display device, comprising the touch panel according to claim 1.

10. A method for manufacturing a touch panel, comprising:

forming signal transmission lines that are connected with touch electrodes on the touch panel, and forming a ground wire that is arranged at a different layer from and insulated from the signal transmission lines, a projection of the ground wire onto a plane in which the signal transmission lines are located intersecting the signal transmission lines;

wherein a plurality of capacitor structures for storing static electricity is formed by the signal transmission lines and the ground wire at intersections.

11. The method according to claim 10, wherein the step of forming, a signal transmission lines that are connected with touch electrodes on the touch panel, and a ground wire that

is arranged at a different layer from and insulated from the signal transmission lines comprises:

forming an insulation medium layer between the signal transmission lines and the ground wire.

12. The method according to claim 11, wherein a line width of each signal transmission line is greater than a preset width threshold which is 0.5 mm.

13. The method according to claim 12, wherein the line width is greater than or equal to 2.5 mm, and less than or equal to 4.5 mm.

14. The method according to claim 10, wherein the signal transmission lines are made of a metal material or a transparent conducting material.

15. The method according to claim 14, wherein the transparent conducting material comprises indium tin oxide or aluminum-doped zinc oxide, and the metal material comprises molybdenum, aluminum or copper.

16. The method according to claim 10, wherein the touch electrodes are made of indium tin oxide or aluminum-doped zinc oxide or graphene.

17. The method according to claim 11, wherein the insulation medium layer is a polypropylene film or a polyethylene film or air.

18. The display device according to claim 9, further comprising:

an insulation medium layer between the signal transmission lines and the ground wire.

19. The display device according to claim 18, wherein a line width of each signal transmission line is greater than a preset width threshold which is 0.5 mm.

20. The display device according to claim 19, wherein the line width is greater than or equal to 2.5 mm, and less than or equal to 4.5 mm.

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